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MIL PRF 38534 CLASS H TRAVELLER

Customer:SiS	Cust PO#:INTERNAL	Cust Spec:Man Data Sheet
LQH #:065	Bonding Diagram#: DBD073	SO:INTERNAL
Device:54ACT86	Device IIL:11267	Diff Lot: PE31538A-1: W1
Bond Wire:Au	Package Style: 16 PIN CDIL	Package IIL:6316
Die Attach Type:Ag Epoxy	Lid Style: Ceramic Lid	Lid IIL:6315

SEQ	OPERATION/PS	CONDITIONS	QTY	ACCEPT	REJ.	DATE	SIG.	COMMENTS
1	100% Die Visual QS011	MIL STD 883 TM 2010	15	15		19/11/25	SG	Equipment #:1
2	Die Attach PS0018	Cure Epoxy 1Hr @150°C Oven Temp Check:152°C	15	15		19/11/25	DPB	Equipment #:6
3	Wire Bond PS0020	Wire Type: Au Diameter: 1 Mils	15	15		19/11/25	DPB	Equipment #:7
4	Internal Visual QS0029	MIL STD 883 TM 2010	15	15		19/11/25	SG	Equipment #:1
5	Lid Seal PS 00010	Cure Epoxy 1Hr @150°C	15	15		22/11/25	DPB	Equipment #:8 Oven Temp Check:152°C
6	100% Electrical Test +25°C	Manufacturers Datasheet	10	10		22/11/25	DPB	Equipment #:12 Program: 54ACT86.tsf
7	100% Electrical Test -55°C	Manufacturers Datasheet	10	10		22/11/25	DPB	Equipment #:12 Program: 54ACT86.tsf

ALL ELECTRICAL TEST RESULTS ARE SUPPLIED ELECTRONICALLY

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SEQ	OPERATION/PS	CONDITIONS	QTY	ACCEPT	REJ.	DATE	SIG.	COMMENTS
8	100% Electrical Test +125°C	Manufacturers Datasheet	10	10		22/11/25	DPB	Equipment #:12 Program: 54ACT86.tsf
9	Bond Pull Test Bake PS0005	MIL STD 883 TM2011 1hr 300°C bake	10	10		23/11/25	DPB	Equipment #:8 Oven Temp Check# 301°C
10	Bond Pull Test PS0006	MIL STD 883 TM2011 Attach Electronic Results to Folder	10	10		23/11/25	DPB	Equipment #:15 BPR:0089
11	Final QA QS0032	Check Test Records and Documentation	10	10		23/11/25	DSB	
12	Dispatch goods and Electronic Records to customer		1	1		23/11/25	RB	

ALL ELECTRICAL TEST RESULTS ARE SUPPLIED ELECTRONICALLY

Data

Device #	Result	1 Cont. PIN1	1 Cont. PIN2	1 Cont. PIN3	1 Cont. PIN4	1 Cont. PIN5	1 Cont. PIN6	1 Cont. PIN8	1 Cont. PIN9	1 Cont. PIN10	1 Cont. PIN11	1 Cont. PIN12	1 Cont. PIN13	2 VIC+,1A PIN1
Unit		V	V	V	V	V	V	V	V	V	V	V	V	V
Lower limit		-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	0.400
Upper limit		-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	1.500
1	Pass	-0.48	-0.48	-0.45	-0.48	-0.48	-0.45	-0.45	-0.48	-0.48	-0.44	-0.48	-0.48	0.79
2	Pass	-0.50	-0.50	-0.46	-0.49	-0.49	-0.47	-0.47	-0.49	-0.49	-0.46	-0.49	-0.49	0.79
3	Pass	-0.49	-0.49	-0.45	-0.49	-0.49	-0.46	-0.45	-0.49	-0.48	-0.45	-0.48	-0.49	0.79
4	Pass	-0.49	-0.49	-0.46	-0.49	-0.49	-0.46	-0.46	-0.49	-0.49	-0.46	-0.49	-0.49	0.79
5	Pass	-0.49	-0.49	-0.45	-0.49	-0.49	-0.45	-0.44	-0.49	-0.48	-0.44	-0.48	-0.49	0.79
6	Pass	-0.49	-0.49	-0.45	-0.49	-0.49	-0.46	-0.46	-0.49	-0.49	-0.45	-0.49	-0.49	0.79
7	Pass	-0.48	-0.48	-0.44	-0.48	-0.48	-0.45	-0.45	-0.48	-0.48	-0.44	-0.48	-0.48	0.79
8	Pass	-0.48	-0.48	-0.44	-0.48	-0.48	-0.45	-0.44	-0.48	-0.48	-0.44	-0.48	-0.48	0.79
9	Pass	-0.49	-0.48	-0.45	-0.48	-0.48	-0.45	-0.45	-0.48	-0.48	-0.45	-0.48	-0.49	0.79
10	Pass	-0.48	-0.48	-0.43	-0.48	-0.48	-0.43	-0.43	-0.48	-0.48	-0.43	-0.48	-0.48	0.79

Cust Spec :MAN. Data Sheet

LQH #:065 54ACT86

TEMP =25°C



3 VIC+,1B PIN2	4 VIC+,2A PIN4	5 VIC+,2B PIN5	6 VIC+,3A PIN9	7 VIC+,3B PIN10	8 VIC+,4A PIN12	9 VIC+,4B PIN13	10 VIC-,1A PIN1	11 VIC-,1B PIN2	12 VIC-,2A PIN4	13 VIC-,2B PIN5	14 VIC-,3A PIN9
V	V	V	V	V	V	V	V	V	V	V	V
0.400	0.400	0.400	0.400	0.400	0.400	0.400	-1.500	-1.500	-1.500	-1.500	-1.500
1.500	1.500	1.500	1.500	1.500	1.500	1.500	-0.400	-0.400	-0.400	-0.400	-0.400
0.79	0.78	0.78	0.78	0.78	0.78	0.79	-0.68	-0.67	-0.67	-0.68	-0.67
0.79	0.79	0.79	0.79	0.79	0.79	0.79	-0.68	-0.68	-0.68	-0.68	-0.68
0.79	0.79	0.79	0.79	0.79	0.79	0.79	-0.68	-0.68	-0.68	-0.68	-0.68
0.79	0.79	0.79	0.79	0.79	0.79	0.79	-0.68	-0.68	-0.68	-0.68	-0.68
0.79	0.79	0.79	0.79	0.79	0.79	0.79	-0.68	-0.68	-0.68	-0.68	-0.68
0.79	0.79	0.79	0.79	0.79	0.79	0.79	-0.68	-0.68	-0.68	-0.68	-0.68
0.79	0.79	0.79	0.79	0.79	0.79	0.79	-0.68	-0.68	-0.68	-0.68	-0.68
0.79	0.79	0.79	0.79	0.79	0.79	0.79	-0.68	-0.67	-0.67	-0.68	-0.68
0.79	0.79	0.79	0.79	0.79	0.79	0.79	-0.68	-0.68	-0.68	-0.68	-0.68
0.79	0.79	0.79	0.79	0.79	0.79	0.79	-0.68	-0.68	-0.68	-0.68	-0.68

Cust Spec :MAN. Data Sheet

LQH #:065

54ACT86

TEMP =25°C



15 VIC-,3B PIN10	16 VIC-,4A PIN12	17 VIC-,4B PIN13	18 VOH,VCC=4.5 V,IOH,50UA,Y 1 PIN3	19 VOH,VCC=4. 5V,IOH,50UA, Y2 PIN6	20 VOH,VCC=4. 5V,IOH,50UA ,Y3 PIN8	21 VOH,VCC=4.5 V,IOH,50UA,Y 4 PIN11	22 VOH,VCC=5.5 V,IOH,50UA,Y 1 PIN3	23 VOH,VCC=5. 5V,IOH,50UA, Y2 PIN6	24 VOH,VCC=5. 5V,IOH,50UA, Y3 PIN8	25 VOH,VCC=5.5 V,IOH,50UA,Y 4 PIN11	26 VOH,VCC=4.5 V,IOH,24mA,Y 1 PIN3	27 VOH,VCC=4. 5V,IOH,24mA ,Y2 PIN6	28 VOH,VCC=4.5 V,IOH,24mA, Y3 PIN8
V	V	V	V	V	V	V	V	V	V	V	V	V	V
-1.500	-1.500	-1.500	4.400	4.400	4.400	4.400	5.400	5.400	5.400	5.400	3.860	3.860	3.860
-0.400	-0.400	-0.400	4.550	4.550	4.550	4.550	5.550	5.550	5.550	5.550	4.550	4.550	4.550
-0.67	-0.67	-0.67	4.50	4.50	4.49	4.50	5.50	5.50	5.47	5.50	4.26	4.25	4.11
-0.68	-0.68	-0.68	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.26	4.25	4.25
-0.68	-0.68	-0.68	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.26	4.25	4.25
-0.68	-0.68	-0.68	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.26	4.26	4.25
-0.68	-0.68	-0.68	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.26	4.25	4.25
-0.68	-0.68	-0.68	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.27	4.26	4.26
-0.68	-0.68	-0.68	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.26	4.25	4.25
-0.67	-0.67	-0.68	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.26	4.25	4.25
-0.68	-0.67	-0.68	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.27	4.25	4.25
-0.67	-0.67	-0.68	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.26	4.25	4.25

Cust Spec :MAN. Data Sheet

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TEMP =25°C



29 VOH,VCC=4.5 V,IOH,24mA,Y 4 PIN11	30 VOH,VCC=5. 5V,IOH,24mA ,Y1 PIN3	31 VOH,VCC=5. 5V,IOH,24mA ,Y2 PIN6	32 VOH,VCC=5.5 V,IOH,24mA,Y 3 PIN8	33 VOH,VCC=5.5 V,IOH,24mA, Y4 PIN11	34 VOH,VCC=5. 5V,IOH,50mA ,Y1 PIN3	35 VOH,VCC=5.5 V,IOH,50mA,Y 2 PIN6	36 VOH,VCC=5.5 V,IOH,50mA,Y 3 PIN8	37 VOH,VCC=5.5 V,IOH,50mA, Y4 PIN11	38 VOL,VCC=4.5 V,IOH,50UA, Y1 PIN3	39 VOL,VCC=4. 5V,IOH,50UA, Y2 PIN6	40 VOL,VCC=4.5 V,IOH,50UA, Y3 PIN8	41 VOL,VCC=4. 5V,IOH,50UA ,Y4 PIN11	42 VOL,VCC=5. 5V,IOH,50UA ,Y1 PIN3	43 VOL,VCC=5.5 V,IOH,50UA,Y 2 PIN6
V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
3.860	4.860	4.860	4.860	4.860	3.850	3.850	3.850	3.850	0.000	0.000	0.000	0.000	0.000	0.000
4.550	5.550	5.550	5.550	5.550	5.550	5.550	5.550	5.550	0.100	0.100	0.100	0.100	0.100	0.100
4.26	5.29	5.28	5.14	5.29	5.05	5.03	4.76	5.05	0.00	0.00	0.00	0.00	0.00	0.00
4.26	5.29	5.29	5.29	5.30	5.06	5.05	5.04	5.07	0.00	0.00	0.00	0.00	0.00	0.00
4.26	5.29	5.29	5.29	5.29	5.06	5.05	5.04	5.06	0.00	0.00	0.00	0.00	0.00	0.00
4.26	5.30	5.29	5.29	5.30	5.06	5.05	5.05	5.06	0.00	0.00	0.00	0.00	0.00	0.00
4.26	5.29	5.28	5.28	5.29	5.05	5.04	5.04	5.06	0.00	0.00	0.00	0.00	0.00	0.00
4.27	5.30	5.29	5.29	5.30	5.07	5.06	5.05	5.07	0.00	0.00	0.00	0.00	0.00	0.00
4.26	5.29	5.28	5.28	5.29	5.05	5.03	5.03	5.05	0.00	0.00	0.00	0.00	0.00	0.00
4.26	5.29	5.29	5.28	5.30	5.06	5.04	5.04	5.07	0.00	0.00	0.00	0.00	0.00	0.00
4.26	5.30	5.29	5.29	5.30	5.07	5.04	5.04	5.07	0.00	0.00	0.00	0.00	0.00	0.00
4.26	5.29	5.29	5.29	5.29	5.06	5.04	5.04	5.06	0.00	0.00	0.00	0.00	0.00	0.00

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TEMP =25°C



44 VOL,VCC=5. 5V,IOH,50UA, Y3 PIN8	45 VOL,VCC=5.5 V,IOH,50UA, Y4 PIN11	46 VOL,VCC=4.5 V,IOH,24mA,Y 1 PIN3	47 VOL,VCC=4.5 V,IOH,24mA, Y2 PIN6	48 VOL,VCC=4.5 V,IOH,24mA,Y 3 PIN8	49 VOL,VCC=4.5 V,IOH,24mA,Y 4 PIN11	50 VOL,VCC=5.5 V,IOH,24mA, Y1 PIN3	51 VOL,VCC=5.5 V,IOH,24mA,Y 2 PIN6	52 VOL,VCC=5.5 V,IOH,24mA,Y 3 PIN8	53 VOL,VCC=5.5 V,IOH,24mA, Y4 PIN11	54 VOL,VCC=5.5 V,IOH,50mA,Y 1 PIN3	55 VOL,VCC=5.5 V,IOH,50mA,Y 2 PIN6	56 VOL,VCC=5.5 V,IOH,50mA,Y 3 PIN8	57 VOL,VCC=5.5 V,IOH,50mA,Y 4 PIN11	58 IIH,VI=VCC, 1A PIN1
V	V	V	V	V	V	V	V	V	V	V	V	V	V	uA
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.100
0.100	0.100	0.360	0.360	0.360	0.360	0.360	0.360	0.360	0.360	1.650	1.650	1.650	1.650	0.100
0.00	0.00	0.16	0.15	0.16	0.16	0.14	0.14	0.14	0.14	0.30	0.29	0.30	0.30	0.00
0.00	0.00	0.15	0.15	0.15	0.15	0.14	0.13	0.14	0.14	0.29	0.28	0.29	0.29	0.00
0.00	0.00	0.15	0.15	0.15	0.15	0.14	0.13	0.14	0.14	0.29	0.28	0.29	0.29	0.00
0.00	0.00	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.29	0.29	0.29	0.29	0.00
0.00	0.00	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.29	0.29	0.29	0.29	0.00
0.00	0.00	0.15	0.15	0.15	0.15	0.14	0.13	0.14	0.14	0.29	0.28	0.29	0.29	0.00
0.00	0.00	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.29	0.29	0.29	0.29	0.00
0.00	0.00	0.15	0.15	0.15	0.15	0.13	0.14	0.14	0.13	0.28	0.29	0.29	0.29	0.00
0.00	0.00	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.29	0.29	0.29	0.29	0.00
0.00	0.00	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.29	0.29	0.29	0.29	0.00

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LQH #:065 54ACT86

TEMP =25°C



59 IIH,VI=VCC, 1B PIN2	60 IIH,VI=VCC, 2A PIN4	61 IIH,VI=VCC, 2B PIN5	62 IIH,VI=VCC, 3A PIN9	63 IIH,VI=VCC, 3B PIN10	64 IIH,VI=VCC, 4A PIN12	65 IIH,VI=VCC, 4B PIN13	66 IIL,VI=GND, 1A PIN1	67 IIL,VI=GND, 1B PIN2	68 IIL,VI=GND, 2A PIN4	69 IIL,VI=GND, 2B PIN5	70 IIL,VI=GND, 3A PIN9	71 IIL,VI=GND, 3B PIN10	72 IIL,VI=GND, 4A PIN12	73 IIL,VI=GND, 4B PIN13	74 ICC,VCC= 5.5V	75 Delta ICC,VCC= 5.5V,Vin= 3.4V
uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	mA
-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	0.000	0.000
0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	4.000	1.600
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	-0.00	-0.00	0.00	0.00	-0.00	-0.00	0.00	0.00	-0.00	-0.00	0.00	0.00	-0.00	-0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00

Cust Spec :MAN. Data Sheet

LQH #:065 54ACT86

TEMP =25°C



Data

Device #	Result	1 Cont. PIN1	1 Cont. PIN2	1 Cont. PIN3	1 Cont. PIN4	1 Cont. PIN5	1 Cont. PIN6	1 Cont. PIN8	1 Cont. PIN9	1 Cont. PIN10	1 Cont. PIN11	1 Cont. PIN12	1 Cont. PIN13	2 VIC+,1A PIN1
Unit		V	V	V	V	V	V	V	V	V	V	V	V	V
Lower limit		-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	0.400
Upper limit		-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	1.500
1	Pass	-0.53	-0.53	-0.50	-0.53	-0.53	-0.50	-0.50	-0.53	-0.53	-0.50	-0.53	-0.33	0.85
2	Pass	-0.52	-0.52	-0.50	-0.52	-0.52	-0.50	-0.52	-0.52	-0.52	-0.50	-0.52	-0.32	0.84
3	Pass	-0.52	-0.52	-0.50	-0.52	-0.52	-0.50	-0.51	-0.52	-0.52	-0.50	-0.52	-0.33	0.85
4	Pass	-0.52	-0.52	-0.50	-0.52	-0.52	-0.50	-0.50	-0.52	-0.52	-0.50	-0.52	-0.33	0.84
5	Pass	-0.54	-0.54	-0.52	-0.54	-0.54	-0.53	-0.53	-0.54	-0.54	-0.52	-0.54	-0.33	0.86
6	Pass	-0.52	-0.52	-0.50	-0.52	-0.52	-0.50	-0.51	-0.52	-0.52	-0.50	-0.52	-0.33	0.85
7	Pass	-0.53	-0.52	-0.53	-0.52	-0.52	-0.53	-0.54	-0.52	-0.52	-0.53	-0.52	-0.33	0.85
8	Pass	-0.52	-0.52	-0.50	-0.52	-0.52	-0.50	-0.51	-0.52	-0.52	-0.50	-0.52	-0.33	0.83
9	Pass	-0.51	-0.51	-0.49	-0.51	-0.51	-0.49	-0.50	-0.51	-0.51	-0.49	-0.51	-0.33	0.83
10	Pass	-0.52	-0.52	-0.50	-0.52	-0.52	-0.50	-0.52	-0.52	-0.52	-0.50	-0.52	-0.33	0.84

Cust Spec :MAN. Data Sheet

LQH #:065 54ACT86

TEMP =-55°C



3 VIC+,1B PIN2	4 VIC+,2A PIN4	5 VIC+,2B PIN5	6 VIC+,3A PIN9	7 VIC+,3B PIN10	8 VIC+,4A PIN12	9 VIC+,4B PIN13	10 VIC-,1A PIN1	11 VIC-,1B PIN2	12 VIC-,2A PIN4	13 VIC-,2B PIN5	14 VIC-,3A PIN9
V	V	V	V	V	V	V	V	V	V	V	V
0.400	0.400	0.400	0.400	0.400	0.400	0.400	-1.500	-1.500	-1.500	-1.500	-1.500
1.500	1.500	1.500	1.500	1.500	1.500	1.500	-0.400	-0.400	-0.400	-0.400	-0.400
0.85	0.85	0.85	0.85	0.85	0.85	0.86	-0.73	-0.73	-0.73	-0.73	-0.74
0.84	0.84	0.84	0.84	0.84	0.84	0.85	-0.73	-0.73	-0.73	-0.73	-0.73
0.85	0.85	0.85	0.85	0.85	0.85	0.85	-0.73	-0.73	-0.73	-0.73	-0.73
0.84	0.84	0.84	0.84	0.84	0.84	0.83	-0.73	-0.73	-0.73	-0.73	-0.73
0.86	0.86	0.86	0.86	0.86	0.86	0.85	-0.75	-0.75	-0.75	-0.75	-0.75
0.85	0.85	0.85	0.85	0.85	0.85	0.85	-0.73	-0.73	-0.73	-0.73	-0.73
0.85	0.85	0.85	0.85	0.85	0.85	0.83	-0.73	-0.73	-0.73	-0.73	-0.73
0.83	0.83	0.83	0.83	0.83	0.83	0.83	-0.72	-0.72	-0.72	-0.72	-0.72
0.83	0.83	0.83	0.83	0.83	0.83	0.85	-0.72	-0.71	-0.72	-0.71	-0.71
0.84	0.84	0.84	0.84	0.84	0.84	0.84	-0.73	-0.72	-0.72	-0.72	-0.72

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15 VIC-,3B PIN10	16 VIC-,4A PIN12	17 VIC-,4B PIN13	18 VOH,VCC=4.5 V,IOH,50UA,Y 1 PIN3	19 VOH,VCC=4. 5V,IOH,50UA, Y2 PIN6	20 VOH,VCC=4. 5V,IOH,50UA ,Y3 PIN8	21 VOH,VCC=4.5 V,IOH,50UA,Y 4 PIN11	22 VOH,VCC=5.5 V,IOH,50UA,Y 1 PIN3	23 VOH,VCC=5. 5V,IOH,50UA, Y2 PIN6	24 VOH,VCC=5. 5V,IOH,50UA, Y3 PIN8	25 VOH,VCC=5.5 V,IOH,50UA,Y 4 PIN11	26 VOH,VCC=4.5 V,IOH,24mA,Y 1 PIN3	27 VOH,VCC=4. 5V,IOH,24mA ,Y2 PIN6	28 VOH,VCC=4.5 V,IOH,24mA, Y3 PIN8
V	V	V	V	V	V	V	V	V	V	V	V	V	V
-1.500	-1.500	-1.500	4.400	4.400	4.400	4.400	5.400	5.400	5.400	5.400	3.860	3.860	3.860
-0.400	-0.400	-0.400	4.550	4.550	4.550	4.550	5.550	5.550	5.550	5.550	4.550	4.550	4.550
-0.73	-0.73	-0.73	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.29	4.29	4.29
-0.73	-0.73	-0.72	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.28	4.28	4.28
-0.73	-0.73	-0.71	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.29	4.28	4.28
-0.73	-0.73	-0.73	4.50	4.50	4.49	4.50	5.50	5.50	5.48	5.50	4.29	4.28	4.16
-0.74	-0.75	-0.73	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.30	4.30	4.30
-0.73	-0.73	-0.73	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.29	4.28	4.28
-0.73	-0.73	-0.74	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.29	4.28	4.28
-0.72	-0.72	-0.73	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.28	4.28	4.27
-0.71	-0.71	-0.73	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.28	4.27	4.27
-0.72	-0.72	-0.72	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.28	4.28	4.28

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TEMP =-55°C



29 VOH,VCC=4.5 V,IOH,24mA,Y 4 PIN11	30 VOH,VCC=5. 5V,IOH,24mA ,Y1 PIN3	31 VOH,VCC=5. 5V,IOH,24mA ,Y2 PIN6	32 VOH,VCC=5.5 V,IOH,24mA,Y 3 PIN8	33 VOH,VCC=5.5 V,IOH,24mA, Y4 PIN11	34 VOH,VCC=5. 5V,IOH,50mA ,Y1 PIN3	35 VOH,VCC=5.5 V,IOH,50mA,Y 2 PIN6	36 VOH,VCC=5.5 V,IOH,50mA,Y 3 PIN8	37 VOH,VCC=5.5 V,IOH,50mA, Y4 PIN11	38 VOL,VCC=4.5 V,IOH,50UA, Y1 PIN3	39 VOL,VCC=4. 5V,IOH,50UA, Y2 PIN6	40 VOL,VCC=4.5 V,IOH,50UA, Y3 PIN8	41 VOL,VCC=4. 5V,IOH,50UA ,Y4 PIN11	42 VOL,VCC=5. 5V,IOH,50UA ,Y1 PIN3	43 VOL,VCC=5.5 V,IOH,50UA,Y 2 PIN6
V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
3.860	4.860	4.860	4.860	4.860	3.850	3.850	3.850	3.850	0.000	0.000	0.000	0.000	0.000	0.000
4.550	5.550	5.550	5.550	5.550	5.550	5.550	5.550	5.550	0.100	0.100	0.100	0.100	0.100	0.100
4.30	5.32	5.32	5.32	5.32	5.12	5.10	5.10	5.12	0.00	0.00	0.00	0.00	0.00	0.00
4.29	5.31	5.31	5.31	5.32	5.10	5.09	5.09	5.11	0.00	0.00	0.00	0.00	0.00	0.00
4.30	5.32	5.31	5.31	5.32	5.11	5.10	5.10	5.12	0.00	0.00	0.00	0.00	0.00	0.00
4.29	5.31	5.31	5.19	5.32	5.10	5.09	4.86	5.11	0.00	0.00	0.00	0.00	0.00	0.00
4.30	5.33	5.32	5.32	5.33	5.14	5.12	5.12	5.14	0.00	0.00	0.00	0.00	0.00	0.00
4.29	5.32	5.31	5.31	5.32	5.11	5.10	5.10	5.12	0.00	0.00	0.00	0.00	0.00	0.00
4.29	5.31	5.31	5.31	5.32	5.11	5.09	5.10	5.11	0.00	0.00	0.00	0.00	0.00	0.00
4.28	5.31	5.31	5.30	5.31	5.10	5.09	5.08	5.10	0.00	0.00	0.00	0.00	0.00	0.00
4.28	5.31	5.30	5.30	5.31	5.10	5.08	5.08	5.10	0.00	0.00	0.00	0.00	0.00	0.00
4.29	5.31	5.31	5.31	5.31	5.10	5.09	5.09	5.10	0.00	0.00	0.00	0.00	0.00	0.00

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44 VOL,VCC=5. 5V,IOH,50UA, Y3 PIN8	45 VOL,VCC=5.5 V,IOH,50UA, Y4 PIN11	46 VOL,VCC=4.5 V,IOH,24mA,Y 1 PIN3	47 VOL,VCC=4.5 V,IOH,24mA, Y2 PIN6	48 VOL,VCC=4.5 V,IOH,24mA,Y 3 PIN8	49 VOL,VCC=4.5 V,IOH,24mA,Y 4 PIN11	50 VOL,VCC=5.5 V,IOH,24mA, Y1 PIN3	51 VOL,VCC=5.5 V,IOH,24mA,Y 2 PIN6	52 VOL,VCC=5.5 V,IOH,24mA,Y 3 PIN8	53 VOL,VCC=5.5 V,IOH,24mA, Y4 PIN11	54 VOL,VCC=5.5 V,IOH,50mA,Y 1 PIN3	55 VOL,VCC=5.5 V,IOH,50mA,Y 2 PIN6	56 VOL,VCC=5.5 V,IOH,50mA,Y 3 PIN8	57 VOL,VCC=5.5 V,IOH,50mA,Y 4 PIN11	58 IIH,VI=VCC, 1A PIN1
V	V	V	V	V	V	V	V	V	V	V	V	V	V	uA
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.100
0.100	0.100	0.360	0.360	0.360	0.360	0.360	0.360	0.360	0.360	1.650	1.650	1.650	1.650	0.100
0.00	0.00	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.25	0.24	0.24	0.25	0.00
0.00	0.00	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.26	0.25	0.25	0.25	0.00
0.00	0.00	0.-55	0.13	0.13	0.-55	0.12	0.12	0.12	0.12	0.24	0.25	0.25	0.24	0.00
0.00	0.00	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.26	0.25	0.26	0.26	0.00
0.00	0.00	0.-55	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.24	0.23	0.24	0.24	0.00
0.00	0.00	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.25	0.24	0.25	0.25	0.00
0.00	0.00	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.25	0.25	0.25	0.25	0.00
0.00	0.00	0.14	0.13	0.13	0.14	0.12	0.12	0.12	0.12	0.26	0.26	0.26	0.26	0.00
0.00	0.00	0.14	0.14	0.14	0.13	0.12	0.12	0.13	0.12	0.26	0.26	0.27	0.26	0.00
0.00	0.00	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.26	0.25	0.25	0.26	0.00

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59 IIH,VI=VCC, 1B PIN2	60 IIH,VI=VCC, 2A PIN4	61 IIH,VI=VCC, 2B PIN5	62 IIH,VI=VCC, 3A PIN9	63 IIH,VI=VCC, 3B PIN10	64 IIH,VI=VCC, 4A PIN12	65 IIH,VI=VCC, 4B PIN13	66 IIL,VI=GND, 1A PIN1	67 IIL,VI=GND, 1B PIN2	68 IIL,VI=GND, 2A PIN4	69 IIL,VI=GND, 2B PIN5	70 IIL,VI=GND, 3A PIN9	71 IIL,VI=GND, 3B PIN10	72 IIL,VI=GND, 4A PIN12	73 IIL,VI=GND, 4B PIN13	74 ICC,VCC= 5.5V	75 Delta ICC,VCC= 5.5V,Vin= 3.4V
uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	mA
-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	0.000	0.000
0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	4.000	1.600
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cust Spec :MAN. Data Sheet

LQH #:065 54ACT86

TEMP =-55°C



Data

Device #	Result	1 Cont. PIN1	1 Cont. PIN2	1 Cont. PIN3	1 Cont. PIN4	1 Cont. PIN5	1 Cont. PIN6	1 Cont. PIN8	1 Cont. PIN9	1 Cont. PIN10	1 Cont. PIN11	1 Cont. PIN12	1 Cont. PIN13	2 VIC+,1A PIN1
Unit		V	V	V	V	V	V	V	V	V	V	V	V	V
Lower limit		-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	0.400
Upper limit		-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	-0.300	1.500
1	Pass	-0.41	-0.40	-0.36	-0.40	-0.41	-0.36	-0.36	-0.40	-0.40	-0.36	-0.40	-0.40	0.70
2	Pass	-0.42	-0.42	-0.38	-0.42	-0.42	-0.38	-0.38	-0.42	-0.42	-0.38	-0.42	-0.42	0.71
3	Pass	-0.40	-0.40	-0.35	-0.39	-0.40	-0.35	-0.35	-0.40	-0.40	-0.35	-0.39	-0.40	0.69
4	Pass	-0.39	-0.39	-0.34	-0.39	-0.39	-0.35	-0.35	-0.39	-0.39	-0.34	-0.39	-0.30	0.69
5	Pass	-0.41	-0.41	-0.36	-0.40	-0.41	-0.36	-0.36	-0.40	-0.40	-0.36	-0.40	-0.30	0.70
6	Pass	-0.39	-0.39	-0.34	-0.39	-0.39	-0.35	-0.35	-0.39	-0.39	-0.34	-0.39	-0.30	0.68
7	Pass	-0.40	-0.40	-0.35	-0.40	-0.40	-0.35	-0.35	-0.40	-0.40	-0.35	-0.40	-0.30	0.69
8	Pass	-0.42	-0.42	-0.37	-0.42	-0.42	-0.38	-0.38	-0.41	-0.42	-0.37	-0.41	-0.30	0.70
9	Pass	-0.41	-0.41	-0.36	-0.41	-0.41	-0.37	-0.37	-0.41	-0.41	-0.36	-0.41	-0.30	0.70
10	Pass	-0.40	-0.39	-0.35	-0.39	-0.40	-0.36	-0.36	-0.40	-0.40	-0.35	-0.40	-0.30	0.69

Cust Spec :MAN. Data Sheet

LQH #:065 54ACT86

TEMP =125°C



3 VIC+,1B PIN2	4 VIC+,2A PIN4	5 VIC+,2B PIN5	6 VIC+,3A PIN9	7 VIC+,3B PIN10	8 VIC+,4A PIN12	9 VIC+,4B PIN13	10 VIC-,1A PIN1	11 VIC-,1B PIN2	12 VIC-,2A PIN4	13 VIC-,2B PIN5	14 VIC-,3A PIN9
V	V	V	V	V	V	V	V	V	V	V	V
0.400	0.400	0.400	0.400	0.400	0.400	0.400	-1.500	-1.500	-1.500	-1.500	-1.500
1.500	1.500	1.500	1.500	1.500	1.500	1.500	-0.400	-0.400	-0.400	-0.400	-0.400
0.70	0.70	0.70	0.70	0.70	0.70	0.70	-0.59	-0.59	-0.59	-0.59	-0.59
0.71	0.71	0.71	0.71	0.71	0.71	0.71	-0.60	-0.60	-0.60	-0.60	-0.60
0.69	0.69	0.69	0.69	0.69	0.69	0.69	-0.58	-0.58	-0.58	-0.58	-0.58
0.69	0.69	0.69	0.69	0.69	0.69	0.70	-0.58	-0.57	-0.57	-0.58	-0.58
0.70	0.70	0.70	0.70	0.70	0.70	0.71	-0.59	-0.58	-0.59	-0.59	-0.58
0.68	0.68	0.69	0.68	0.68	0.68	0.69	-0.57	-0.57	-0.57	-0.57	-0.57
0.69	0.69	0.69	0.69	0.69	0.69	0.68	-0.58	-0.57	-0.58	-0.58	-0.58
0.71	0.70	0.71	0.70	0.70	0.71	0.69	-0.59	-0.59	-0.59	-0.59	-0.59
0.70	0.70	0.70	0.70	0.70	0.70	0.71	-0.59	-0.59	-0.59	-0.60	-0.59
0.69	0.69	0.69	0.69	0.69	0.69	0.70	-0.58	-0.57	-0.57	-0.57	-0.58

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TEMP =125°C



15 VIC-,3B PIN10	16 VIC-,4A PIN12	17 VIC-,4B PIN13	18 VOH,VCC=4.5 V,IOH,50UA,Y 1 PIN3	19 VOH,VCC=4. 5V,IOH,50UA, Y2 PIN6	20 VOH,VCC=4. 5V,IOH,50UA ,Y3 PIN8	21 VOH,VCC=4.5 V,IOH,50UA,Y 4 PIN11	22 VOH,VCC=5.5 V,IOH,50UA,Y 1 PIN3	23 VOH,VCC=5. 5V,IOH,50UA, Y2 PIN6	24 VOH,VCC=5. 5V,IOH,50UA, Y3 PIN8	25 VOH,VCC=5.5 V,IOH,50UA,Y 4 PIN11	26 VOH,VCC=4.5 V,IOH,24mA,Y 1 PIN3	27 VOH,VCC=4. 5V,IOH,24mA ,Y2 PIN6	28 VOH,VCC=4.5 V,IOH,24mA, Y3 PIN8
V	V	V	V	V	V	V	V	V	V	V	V	V	V
-1.500	-1.500	-1.500	4.400	4.400	4.400	4.400	5.400	5.400	5.400	5.400	3.860	3.860	3.860
-0.400	-0.400	-0.400	4.550	4.550	4.550	4.550	5.550	5.550	5.550	5.550	4.550	4.550	4.550
-0.59	-0.58	-0.59	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.22	4.20	4.20
-0.60	-0.60	-0.60	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.23	4.22	4.22
-0.58	-0.58	-0.58	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.21	4.20	4.20
-0.57	-0.57	-0.58	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.20	4.19	4.19
-0.58	-0.58	-0.59	4.50	4.50	4.48	4.50	5.50	5.50	5.45	5.50	4.21	4.20	4.03
-0.57	-0.57	-0.59	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.21	4.20	4.20
-0.57	-0.58	-0.58	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.22	4.20	4.20
-0.59	-0.59	-0.57	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.22	4.21	4.21
-0.59	-0.59	-0.58	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.21	4.20	4.20
-0.57	-0.57	-0.57	4.50	4.50	4.50	4.50	5.50	5.50	5.50	5.50	4.21	4.20	4.20

Cust Spec :MAN. Data Sheet

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29 VOH,VCC=4.5 V,IOH,24mA,Y 4 PIN11	30 VOH,VCC=5. 5V,IOH,24mA ,Y1 PIN3	31 VOH,VCC=5. 5V,IOH,24mA ,Y2 PIN6	32 VOH,VCC=5.5 V,IOH,24mA,Y 3 PIN8	33 VOH,VCC=5.5 V,IOH,24mA, Y4 PIN11	34 VOH,VCC=5. 5V,IOH,50mA ,Y1 PIN3	35 VOH,VCC=5.5 V,IOH,50mA,Y 2 PIN6	36 VOH,VCC=5.5 V,IOH,50mA,Y 3 PIN8	37 VOH,VCC=5.5 V,IOH,50mA, Y4 PIN11	38 VOL,VCC=4.5 V,IOH,50UA, Y1 PIN3	39 VOL,VCC=4. 5V,IOH,50UA, Y2 PIN6	40 VOL,VCC=4.5 V,IOH,50UA, Y3 PIN8	41 VOL,VCC=4. 5V,IOH,50UA ,Y4 PIN11	42 VOL,VCC=5. 5V,IOH,50UA ,Y1 PIN3	43 VOL,VCC=5.5 V,IOH,50UA,Y 2 PIN6
V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
3.860	4.860	4.860	4.860	4.860	3.850	3.850	3.850	3.850	0.000	0.000	0.000	0.000	0.000	0.000
4.550	5.550	5.550	5.550	5.550	5.550	5.550	5.550	5.550	0.100	0.100	0.100	0.100	0.100	0.100
4.22	5.26	5.25	5.25	5.26	4.98	4.96	4.95	4.98	0.00	0.00	0.00	0.00	0.00	0.00
4.23	5.27	5.26	5.26	5.27	5.00	4.98	4.97	5.00	0.00	0.00	0.00	0.00	0.00	0.00
4.22	5.26	5.24	5.24	5.26	4.97	4.95	4.95	4.98	0.00	0.00	0.00	0.00	0.00	0.00
4.21	5.25	5.24	5.24	5.25	4.96	4.93	4.93	4.96	0.00	0.00	0.00	0.00	0.00	0.00
4.22	5.25	5.24	5.07	5.26	4.97	4.95	4.60	4.97	0.00	0.00	0.00	0.00	0.00	0.00
4.21	5.25	5.24	5.24	5.25	4.96	4.94	4.95	4.96	0.00	0.00	0.00	0.00	0.00	0.00
4.22	5.26	5.24	5.24	5.26	4.98	4.95	4.95	4.98	0.00	0.00	0.00	0.00	0.00	0.00
4.22	5.26	5.25	5.25	5.26	4.98	4.97	4.96	4.99	0.00	0.00	0.00	0.00	0.00	0.00
4.22	5.25	5.24	5.25	5.26	4.97	4.95	4.96	4.98	0.00	0.00	0.00	0.00	0.00	0.00
4.21	5.25	5.25	5.24	5.26	4.97	4.96	4.95	4.97	0.00	0.00	0.00	0.00	0.00	0.00

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44 VOL,VCC=5. 5V,IOH,50UA, Y3 PIN8	45 VOL,VCC=5.5 V,IOH,50UA, Y4 PIN11	46 VOL,VCC=4.5 V,IOH,24mA,Y 1 PIN3	47 VOL,VCC=4.5 V,IOH,24mA, Y2 PIN6	48 VOL,VCC=4.5 V,IOH,24mA,Y 3 PIN8	49 VOL,VCC=4.5 V,IOH,24mA,Y 4 PIN11	50 VOL,VCC=5.5 V,IOH,24mA, Y1 PIN3	51 VOL,VCC=5.5 V,IOH,24mA,Y 2 PIN6	52 VOL,VCC=5.5 V,IOH,24mA,Y 3 PIN8	53 VOL,VCC=5.5 V,IOH,24mA, Y4 PIN11	54 VOL,VCC=5.5 V,IOH,50mA,Y 1 PIN3	55 VOL,VCC=5.5 V,IOH,50mA,Y 2 PIN6	56 VOL,VCC=5.5 V,IOH,50mA,Y 3 PIN8	57 VOL,VCC=5.5 V,IOH,50mA,Y 4 PIN11	58 IIH,VI=VCC, 1A PIN1
V	V	V	V	V	V	V	V	V	V	V	V	V	V	uA
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.100
0.100	0.100	0.360	0.360	0.360	0.360	0.360	0.360	0.360	0.360	1.650	1.650	1.650	1.650	0.100
0.00	0.00	0.19	0.19	0.19	0.19	0.17	0.17	0.17	0.17	0.36	0.36	0.36	0.36	0.00
0.00	0.00	0.19	0.18	0.18	0.18	0.19	0.17	0.16	0.17	0.36	0.35	0.35	0.35	0.00
0.00	0.00	0.19	0.20	0.20	0.19	0.17	0.17	0.18	0.17	0.36	0.37	0.37	0.36	0.00
0.00	0.00	0.20	0.20	0.20	0.20	0.18	0.17	0.18	0.18	0.38	0.37	0.38	0.38	0.00
0.00	0.00	0.19	0.19	0.20	0.19	0.17	0.17	0.18	0.17	0.37	0.36	0.37	0.37	0.00
0.00	0.00	0.20	0.19	0.20	0.20	0.18	0.17	0.17	0.18	0.38	0.37	0.37	0.38	0.00
0.00	0.00	0.19	0.20	0.20	0.19	0.17	0.17	0.18	0.17	0.37	0.37	0.37	0.37	0.00
0.00	0.00	0.19	0.19	0.19	0.19	0.17	0.17	0.17	0.17	0.36	0.35	0.36	0.36	0.00
0.00	0.00	0.19	0.19	0.19	0.19	0.17	0.17	0.17	0.17	0.36	0.36	0.36	0.36	0.00
0.00	0.00	0.20	0.19	0.19	0.20	0.18	0.17	0.17	0.18	0.38	0.37	0.37	0.38	0.00

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59 IIH,VI=VCC, 1B PIN2	60 IIH,VI=VCC, 2A PIN4	61 IIH,VI=VCC, 2B PIN5	62 IIH,VI=VCC, 3A PIN9	63 IIH,VI=VCC, 3B PIN10	64 IIH,VI=VCC, 4A PIN12	65 IIH,VI=VCC, 4B PIN13	66 IIL,VI=GND, 1A PIN1	67 IIL,VI=GND, 1B PIN2	68 IIL,VI=GND, 2A PIN4	69 IIL,VI=GND, 2B PIN5	70 IIL,VI=GND, 3A PIN9	71 IIL,VI=GND, 3B PIN10	72 IIL,VI=GND, 4A PIN12	73 IIL,VI=GND, 4B PIN13	74 ICC,VCC= 5.5V	75 Delta ICC,VCC= 5.5V,Vin= 3.4V
uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	uA	mA
-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	0.000	0.000
0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	4.000	1.600
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.00	0.03	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	0.02	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	0.02	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.01	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00

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Part #	54ACT86	Date	26 th November 2025
Sample Qty	5	Bond Type	Ball
Wire Size	25μ	Wire Type	Au
Min allowable strength	2.5gm	BPR	0089
Customer	Internal	Customer PO- SO	INTERNAL
Batch #	LQH0065	Equipment	XYZTEC

SN: 11			SN: 12			SN: 13			SN:14			SN:15					
#	F	C	#	F	C	#	F	C	#	F	C	#	F	C	#	F	C
1	4.41	8	3	6.53	8	5	4.31	8	7	7.17	8	9	6.61	8			
2	4.91	8	4	4.45	8	6	6.91	8	8	6.11	8	10	6.91	8			

F=Pull Strength in gms C=Failure Code

CODES

1. No Wire Break
2. Bond lift from Die
3. Bond lift from Post
4. Wire breaks at Heal
5. Die Metallisation delaminates
6. No Connection
7. Wire Breaks from Die
8. Bond Breaks at span



DIE SHEAR RECORD

Part #	54ACT86	Date	26 th November 2025
Sample Qty	3	Die Attach	Ag Epoxy
Min allowable strength	0.4Kg	DSR	003
Customer	INTERNAL	Customer PO SO	INTERNAL
Batch #	LHQ0065	Equipment	XYZTEC

Destructive Code	
1	Die Break
2	Die Adhesion Failure
3	Component Break
4	Package Failure

RESULTS

Result in Kgs	Code	Pass/Fail
3.79	1	Pass
5.76	1	Pass
4.78	1	Pass

Signature	Date
	26 th November 2025